June 27, 2014

Ms. Robin Futch
Georgia Department of Natural Resources
Response and Remediation Program
2 Martin Luther King, Jr. Drive
S.E. Suite 1462, East Tower
Atlanta, Georgia 30334-9000

RE: Voluntary Remediation Program Semi-Annual Progress Report #4
Tara Shopping Center
8564 Tara Boulevard, Jonesboro, Clayton County, Georgia
Tax Parcel ID 13242D B001; HSI Site No. 10798

Dear Ms. Futch,

On behalf of Ashland Inc. (Ashland), EHS Support LLC (EHS Support) is submitting this Semi-Annual Progress Report for the project referenced above. As you are aware, remediation activities are being completed under the Voluntary Remediation Program (VRP). Pursuant to the VRP application conditional approved letter issued on June 28, 2012, the purpose of this progress report is to provide a summary of activities completed between January 2014 and June 2014.

On February 7, 2014, The Georgia Department of Natural Resources Environmental Protection Division (EPD) issued a comment letter on the previously submitted progress reports and the June 19, 2012 white paper "Evaluation of the Applicability of PCE WQS and Proposed Alternative Approach". This progress report incorporates the requested changes as well as provides response to comments as applicable. Response to comments concerning soil analytical data presentation were provided in the March 14, 2014 Soil Remediation Completion Report. A summary of professional service time is provided as **Attachment A**.

Source Area Remediation
A Soil Remediation Completion Report summarizing remedial activities to treat soil within the source area was submitted on March 14, 2014. Representatives from the Georgia EPD, Ashland and EHS Support met at the project site on March 25, 2014. The purpose of the site visit was to 1) inspect the completion of soil remediation work; 2) discuss access to off-site properties for the purposes of groundwater delineation; and, 3) observe creek conditions due west of the project site. Based on field observations, the site plan was updated to reflect the surface water drainage near the creek (i.e., retention pond). A copy of the site plan is provided as **Figure 1**.

Georgia EPD provided initial draft comments on the Soil Remediation Completion Report in their electronic correspondence dated May 19, 2014. Minor revisions to supporting documents are currently in production and will be forwarded no later than July 30, 2014.

As proposed in the Soil Remediation Completion Report, semi-annual groundwater sampling will be completed to evaluate groundwater conditions immediately downgradient/sidegradient of the treatment area. The first sampling event is proposed to be completed this Summer. A discussion of the analytical results will be presented in the next semi-annul progress report.

Michelle Stayrook • 4694 Cemetery Road, PMB 104, Hilliard, Ohio 43026-1124
1-412-807-1494 • michelle.stayrook@ehs-support.com • www.ehs-support.com

Groundwater Investigation

The monitoring well network was surveyed by Travis Pruitt & Associates on July 24, 2013. Depth to water measurements were recorded from the entire monitoring well network on August 18, 2013 with the exception of monitoring well cluster MW-11A/B/C and MW-17A. This area was used for equipment storage during on-site remediation work which made these wells inaccessible. Depth to water measurements were recorded to the nearest 0.01-inch and were used to calculate groundwater elevation data (**Table 1)**. Groundwater elevation data was used to evaluate vertical hydraulic gradients and groundwater flow direction between the residuum and bedrock water bearing zones.

In general, a downward vertical flow gradient is observed between the residuum and bedrock water bearing zones (refer to **Figure 2**). Groundwater flow within the residuum is to the west. Groundwater flow within the bedrock is to the west and northwest (**Figure 3 through 5**). These findings are similar to the potentiometric surface maps presented in the 2009 Groundwater Corrective Action Plan submitted by URS Corporation, dated March 20, 2009 (*Figures 14 through 16*). Data collected from new monitoring wells southwest of the Site (MW-19 cluster and MW-20C) illustrate the westerly flow component within the residuum west of Tara Boulevard.

Groundwater flow regimes were compared to the groundwater analytical data collected in May 2013 (**Figure 6**), this information was used to identify the placement of new off-site monitoring wells in the southwest portion of the investigation area (refer to **Figure 7**). The geologic cross sections were also updated to assist in identifying the proposed screened depth intervals. A cross section location map is provided as **Figure 8**. The lithologic cross sections are presented on **Figure 9**.

Table 2 outlines the proposed monitoring wells to complete vertical and horizontal delineation of groundwater impacts associated with the former dry cleaner Site. All new monitoring well locations (and existing monitoring well MW-11A/C/C and MW-17A) will be surveyed by a state licensed surveyor. The datum will be tied into the existing monitoring well network. This information will be used to update lithological cross sections and groundwater flow directions.

Provided below is the status of access agreements for those properties discussed on the June 24, 2014 conference call with Georgia EPD.

Parcel 13241C G015

Attempts to reasonably negotiate an access agreement with the property owner for the purposes of collecting groundwater data due east of 8564 Tara Boulevard have been unsuccessful. Pursuant to the June 24, 2014 conference call, Ashland will look at an alternate location east of Fayetteville Road.

Parcel 13241D C001

An access agreement was executed in December 2012. As previously discussed, two (2) monitoring wells are proposed due east of 8660 Tara Boulevard (monitoring well cluster MW-13). The location of the proposed monitoring wells are provided on **Figure 7.** The final locations will be determined following utility clearance.

Parcel 13242D B001

An access agreement was executed in August 2012. Analytical results from the March 2013 sampling event indicate additional delineation of volatile organic compounds suspected to be migrating from the former dryer cleaner site (8564 to the southwest of Tara Boulevard) is needed. Four (4) monitoring wells are proposed to horizontally and vertically delineate groundwater downgradient of monitoring well cluster

MW-19A/B/C. Proposed monitoring wells are provided on **Figure 7**. The final locations will be determined following utility clearance.

Parcel 13242D A016A/A018
Five (5) monitoring wells are proposed to horizontally and vertically delineate volatile organic compounds suspected to be migrating from the former dryer cleaner site (8564 Tara Boulevard). The location of the proposed monitoring wells are provided on **Figure 7**. The final locations will be determined following utility clearance.

Multiple unsuccessful attempts were made to communicate with the property owner; however, external factors have prevented access. In 2013, an alternate plan to install monitoring wells within the State right-of-way along the west side of Tara Boulevard was discussed with the Georgia EPD. All parties agreed that the information collected at this alternate location would not meet the data quality objectives for delineation. In 2014, with the potential of property ownership change, Ashland attempted to reinitiate access at 8557 Tara Boulevard. With Georgia EPD's assistance, Ashland will continue to pursue access. However, in the interim, delineation to the southwest and southeast will continue.

Qualifying Property Status
Inclusion of additional properties within the VRP is still under evaluation.

Schedule
Fieldwork is tentatively scheduled to resume in August 2014. Fieldwork will resume at those properties that have an executed access agreement. In the interim, Ashland, with assistance from Georgia EPD, will continue to make reasonable efforts to obtain access agreements with the properties discussed above.

As discussed during the June 24, 2014 conference call, the timeframe to complete horizontal delineation off-site has been changed from June 28, 2014 to December 28, 2014 based on continued access negotiations with private property owners.

If you should have any questions regarding the information presented in this progress report, please contact me at michelle.stayrook@ehs-support.com or 412-807-1494. Alternatively you can contact Michael Dever at mbdever@ashland.com or 614-790-1586.

Sincerely,

Michelle Stayrook

Michelle Stayrook
EHS Support
Project Manager

Attachments

cc: Michael Dever, Ashland (email)
Rich Williams, Esq. Ashland (email)
Eric Nathan, Tara Retail Holdings, Inc.
Amy Magee, King and Spalding
Kristin VanLandingham, P.E. EHS Support (email)

CERTIFICATION

"I certify under penalty of law that this *Voluntary Remediation Program Semi-Annual Progress Report #4* and all attachments were prepared by me or under my direct supervision in accordance with the Voluntary Remediation Program Act (O.C.G.A. Section 12-8-101, et seq.). I am a professional engineer/professional geologist who is registered with the Georgia State Board of Registration for Professional Engineers and Land Surveyors/Georgia State Board of Registration for Professional Geologists and I have the necessary experience and am in charge of the investigation and remediation of this release of regulated substances.

Furthermore, to document my direct oversight of the Voluntary Remediation Plan development, implementation of corrective action, and long term monitoring, I have attached a monthly summary of hours invoiced and description of services provided by me to the Voluntary Remediation Program participant since the previous submittal to the Georgia Environmental Protection Division.

The information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Kristin A. VanLandingham PE035825
Printed Name and GA PE/PG Number

June 27, 2014
Date

Signature and Stamp

TABLES

Table 1 - Summary of Monitoring Well Construction Details and Groundwater Elevation Data, August 21, 2013
Tara Shopping Center
Jonesboro, Georgia
HSI 10798

Well Identification	Date Installed	Screen Interval (ft. bgs)	Top of Casing Elevation (ft. above MSL)	Ground Surface Elevation (ft. above MSL)	Depth to Water 8/21/2013	Groundwater Elevation (ft. above MSL)	Total Depth 8/21/2013	Water Bearing Zone
MW-1A	04/25/06	15.0 - 25.0	898.82	899.14	Dry	NA	24.83	Shallow
MW-1C	04/09/08	83.0 - 98.0	899.01	899.24	37.15	861.86	100.00	Bedrock
MW-3A	05/03/06	15.0 - 25.0	892.41	892.70	20.02	872.39	NR	Shallow
MW-3B	05/03/06	45.0 - 55.0	892.54	892.70	20.20	872.34	NR	Shallow
MW-4A	04/28/06	15.0 - 25.0	884.63	884.96	12.43	872.20	24.84	Shallow
MW-4B	04/28/06	50.0 - 60.0	884.67	884.95	12.73	871.94	58.72	Intermediate
MW-5A	05/01/06	15.0 - 25.0	883.48	883.72	12.71	870.77	24.52	Shallow
MW-5B	05/01/06	36.0 - 46.0	883.43	883.72	12.76	870.67	45.00	Intermediate
MW-5C	04/10/08	75.0 - 90.0	883.64	883.88	14.94	868.70	89.71	Bedrock
MW-6A	05/02/06	15.0 - 25.0	881.41	881.70	11.56	869.85	NR	Shallow
MW-6B	05/02/06	57.0 - 67.0	881.54	881.80	11.75	869.79	NR	Intermediate
MW-7B	07/26/06	23.0 - 33.0	896.93	897.15	26.57	870.36	32.80	Intermediate
MW-7C	04/10/08	52.0 - 62.0	896.96	897.22	32.10	864.86	62.42	Bedrock
MW-8A	07/26/06	23.0 - 32.0	895.14	895.27	25.08	870.06	26.12	Shallow
MW-8B	07/26/06	47.0 - 57.0	895.02	895.26	24.94	870.08	57.02	Intermediate
MW-8C	04/10/08	71.0 - 85.0	895.04	895.27	31.85	863.19	84.85	Bedrock
MW-9A	07/25/06	20.0 - 30.0	891.65	892.20	20.02	871.63	30.15	Shallow
MW-9B	07/25/06	52.0 - 62.0	892.08	892.20	20.81	871.27	63.25	Intermediate
MW-9C	04/10/08	85.0 - 100.0	891.92	892.10	20.54	871.38	NR	Bedrock
MW-10A	02/19/08	27.0 - 37.0	896.85	897.06	25.63	871.22	37.61	Shallow
MW-10B	02/19/08	40.0 - 50.0	896.71	896.97	25.32	871.39	49.55	Intermediate
MW-10C	04/10/08	75.0 - 90.0	896.81	896.98	29.91	866.90	88.31	Bedrock
MW-11A	02/20/08	20.0 - 30.0	893.92	894.19	NA	NA	NA	Shallow
MW-11B	02/20/08	46.0 - 56.0	893.84	894.15	NA	NA	*58.21*	Intermediate
MW-11C	04/10/08	73.0 - 88.0	894.07	894.32	NA	NA	*82.93*	Bedrock
MW-12A	02/20/08	20.0 - 30.0	891.28	891.30	19.15	872.13	NR	Shallow
MW-13A	03/27/08	14.0 - 24.0	881.08	881.35	9.05	872.03	24.32	Shallow
MW-13B	03/27/08	62.0 - 72.0	881.09	881.30	9.58	871.51	71.15	Intermediate
MW-13C	10/15/08	78.0 - 89.0	881.16	881.36	10.02	871.14	87.70	Bedrock
MW-14A	02/20/08	25.0 - 35.0	899.70	899.86	25.73	873.97	34.80	Shallow
MW-15A	09/18/08	27.5 - 37.5	888.05	888.30	19.72	868.33	37.35	Shallow
MW-15B	09/19/08	38.5 - 48.5	888.09	888.30	19.83	868.26	47.55	Intermediate
MW-16A	09/18/08	22.0 - 32.0	879.48	879.90	11.57	867.91	32.32	Shallow
MW-16B	09/19/08	34.0 - 44.0	879.65	879.90	11.68	867.97	43.21	Intermediate
MW-16C	10/14/08	58.0 - 68.0	878.84	878.97	13.42	865.42	67.87	Bedrock
MW-17A	03/30/11	20.0 - 30.0	NS	NS	NA	NA	NA	Shallow
MW-18A	11/27/12	20.0 - 30.0	888.29	888.63	16.81	871.48	29.82	Shallow
MW-18B	11/27/12	47.0 - 57.0	888.23	888.60	16.71	871.52	56.41	Intermediate
MW-19A	12/05/12	25.0 - 35.0	879.94	880.10	13.06	866.88	32.45	Shallow
MW-19B	12/05/12	50.0 - 60.0	880.17	880.32	13.08	867.09	59.87	Intermediate
MW-19C	12/04/12	75.0 - 85.0	880.01	880.21	12.73	867.28	84.50	Intermediate
MW-20C	12/04/12	35.0 - 45.0	875.44	875.75	16.71	858.73	44.68	Bedrock
Stream Gauge								
SG-1	07/24/13	NA - NA	854.74	NA	2.85	851.89	NA	NA

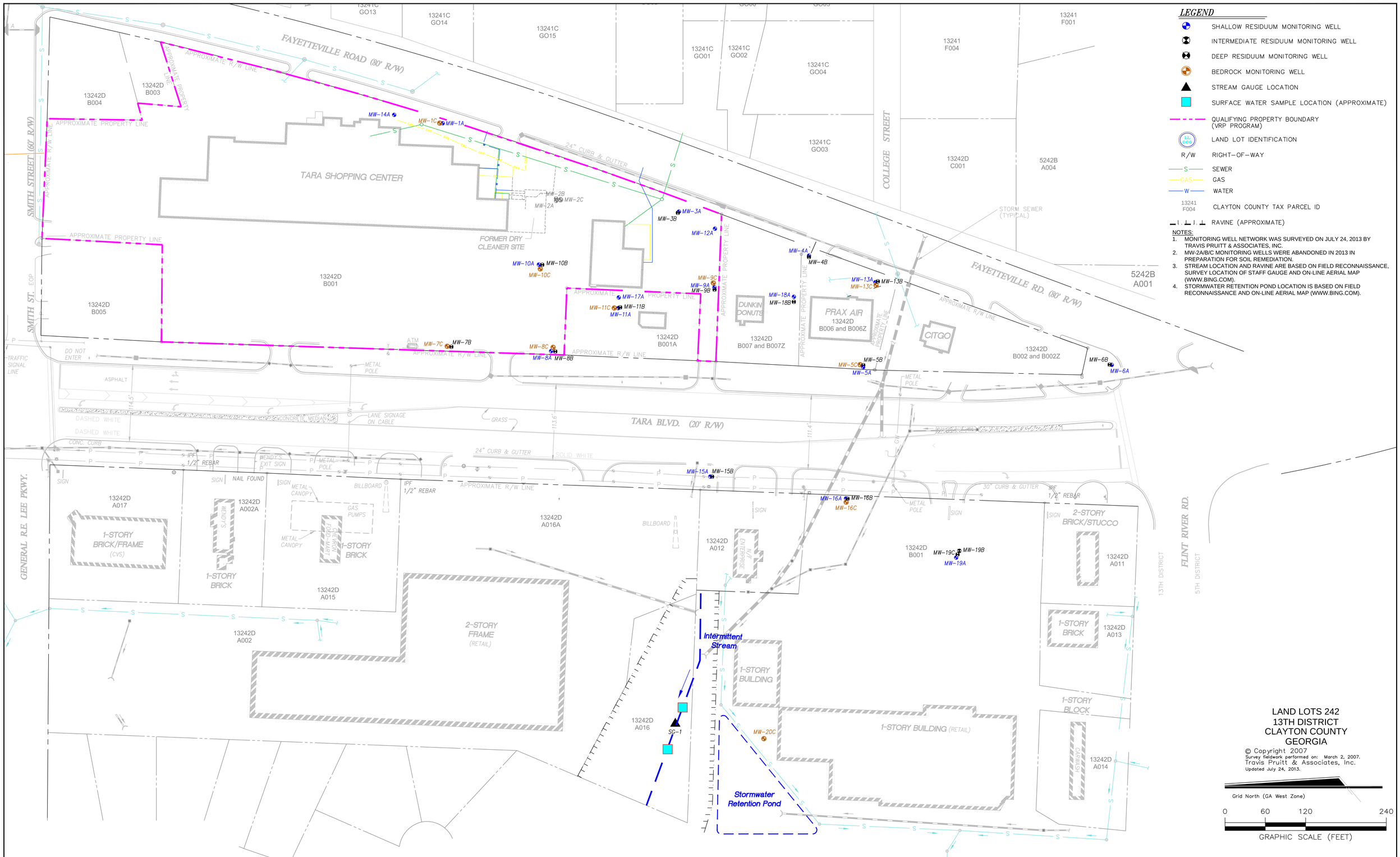
Notes:
ft. bgs = feet below ground surface
MSL = Mean Sea Level
NA = Not applicable
NR = Not recorded

Table 2 - Proposed Monitoring Wells
Tara Shopping Center
Jonesboro, Georgia
HSI 10798

Location	Well Identification	Targeted Screen Interval (ft. bgs)	Water Bearing Zone
8557 Tara Boulevard	MW-15C	75 - 85	Bedrock
	MW-23C	45 - 55	Bedrock
	MW-24A	25 - 35	Shallow
	MW-24B	50 - 60	Intermediate
	MW-24C	75 - 85	Bedrock
8639 Tara Boulevard	MW-19D	100 - 110	Shallow
	MW-21B	50 - 60	Intermediate
	MW-21C	75 - 85	Deep
	MW-21D	100 - 110	Bedrock
117 College Street	MW-22A	20 - 30	Shallow
	MW-22B	60 - 70	Intermediate

Notes:
ft. bgs = feet below ground surface
Target Screen Interval will be based on field observations.

FIGURES



LEGEND

- SHALLOW RESIDUUM MONITORING WELL
- INTERMEDIATE RESIDUUM MONITORING WELL
- DEEP RESIDUUM MONITORING WELL
- BEDROCK MONITORING WELL
- STREAM GAUGE LOCATION
- SURFACE WATER SAMPLE LOCATION (APPROXIMATE)
- QUALIFYING PROPERTY BOUNDARY (VRP PROGRAM)
- 13, p66 — LAND LOT IDENTIFICATION
- R/W — RIGHT-OF-WAY
- S — SEWER
- GAS — GAS
- W — WATER
- 13241 F004 — CLAYTON COUNTY TAX PARCEL ID
- RAVINE (APPROXIMATE)

NOTES:

1. MONITORING WELL NETWORK WAS SURVEYED ON JULY 24, 2013 BY TRAVIS PRUITT & ASSOCIATES, INC.
2. MW-2A/B/C MONITORING WELLS WERE ABANDONED IN 2013 IN PREPARATION FOR SOIL REMEDIATION.
3. STREAM LOCATION AND RAVINE ARE BASED ON FIELD RECONNAISSANCE, SURVEY LOCATION OF STAFF GAUGE AND ON-LINE AERIAL MAP (WWW.BING.COM).
4. STORMWATER RETENTION POND LOCATION IS BASED ON FIELD RECONNAISSANCE AND ON-LINE AERIAL MAP (WWW.BING.COM).

LAND LOTS 242
13TH DISTRICT
CLAYTON COUNTY
GEORGIA

Survey fieldwork performed on: March 2, 2007.
Travis Pruitt & Associates, Inc.
Updated July 24, 2013.

Grid North (GA West Zone)

0 60 120 240

GRAPHIC SCALE (FEET)

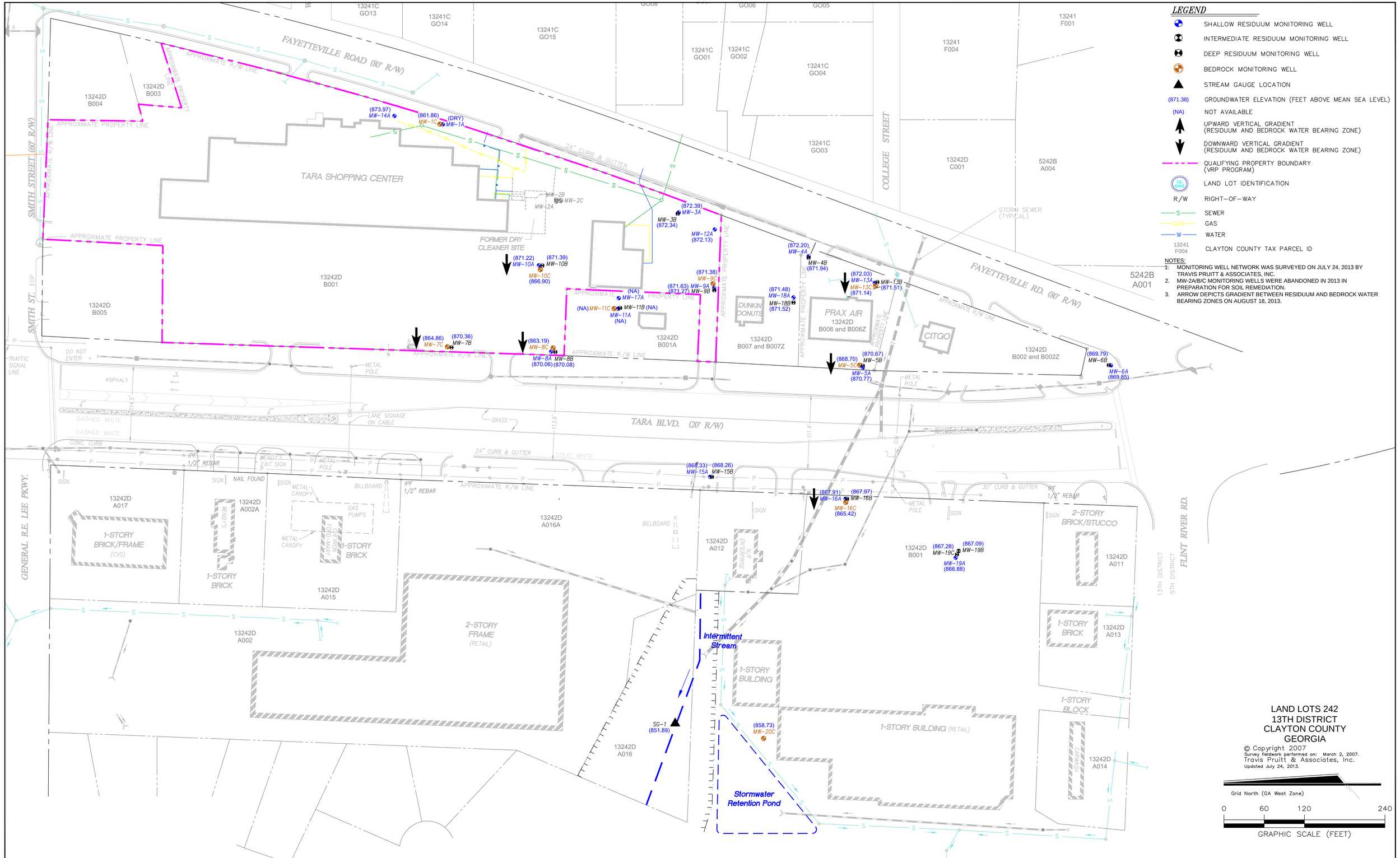
EHS Support consider it done

REVISIONS					
Rev.	1	By: MDO	Disc.: Stream gauge and ravine details added (approximate)	Date:	03/2014
Rev.		By:	Disc.:	Date:	
Rev.		By:	Disc.:	Date:	
Rev.		By:	Disc.:	Date:	

TARA HOLDINGS
8564 TARA BOULEVARD
JONESBORO, GEORGIA

FIGURE 1
MONITORING WELL NETWORK

Drawn By:	MDO	Date Drawn:	03/2014
Reviewed By:	MSS	Date Reviewed:	03/2014
Scale:	1" = 120'	Plot Date:	03/2014
Project Number.:	C00342-2014		



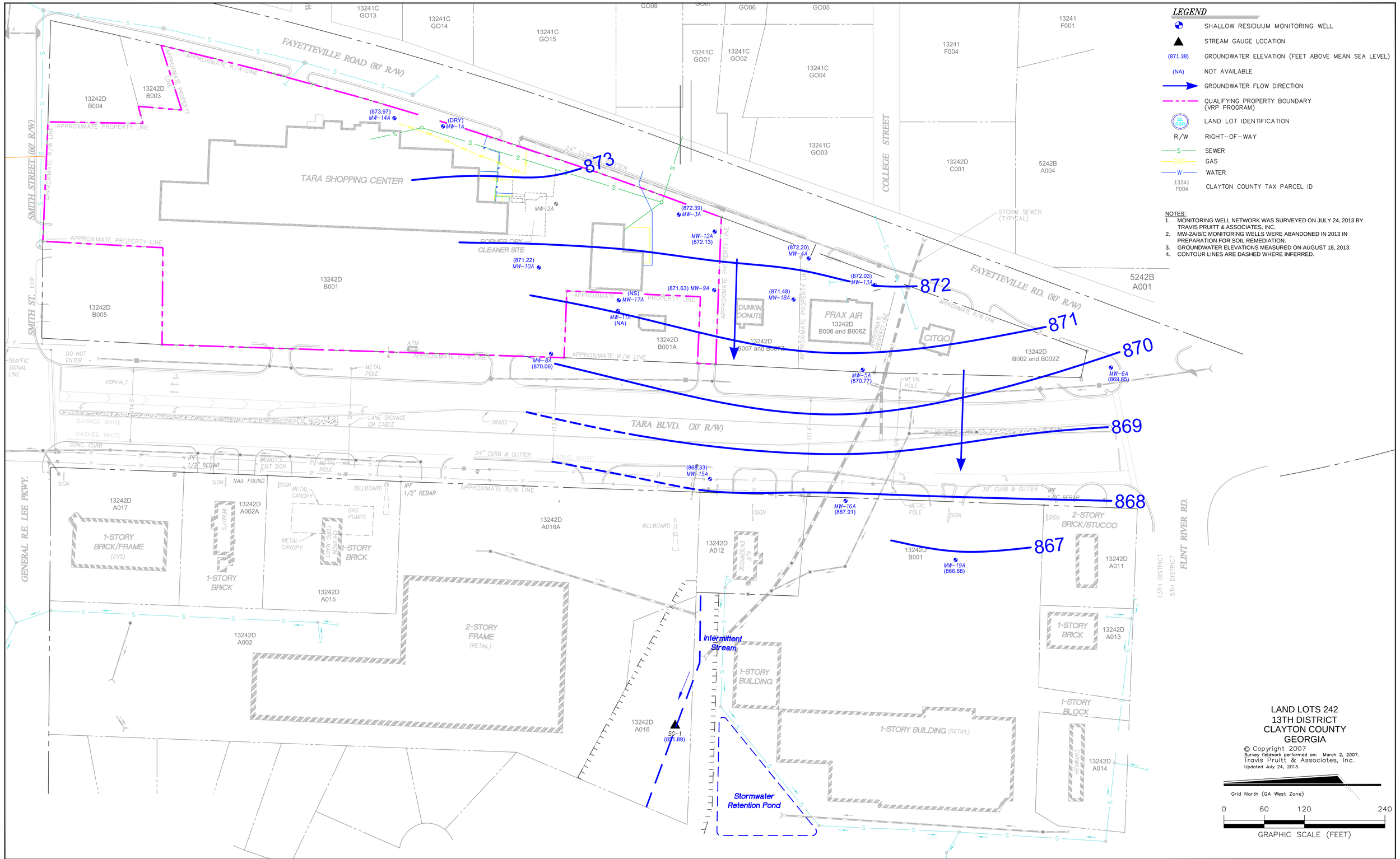
EHS Support consider it done

REVISIONS				
Rev.		By:	Disc.:	Date:
Rev.		By:	Disc.:	Date:
Rev.		By:	Disc.:	Date:
Rev.		By:	Disc.:	Date:

TARA HOLDINGS
8564 TARA BOULEVARD
JONESBORO, GEORGIA

FIGURE 2
VERTICAL GRADIENT BETWEEN THE RESIDUUM AND BEDROCK WATER BEARING ZONES

Drawn By:	MDO	Date Drawn:	03/2014
Reviewed By:	MSS	Date Reviewed:	03/2014
Scale:	1" = 120'	Plot Date:	03/2014
Project Number.:	C00342-2014		



LEGEND

- SHALLOW RESIDUUM MONITORING WELL
- STREAM GAUGE LOCATION
- (871.38) GROUNDWATER ELEVATION (FEET ABOVE MEAN SEA LEVEL)
- (NA) NOT AVAILABLE
- GROUNDWATER FLOW DIRECTION
- QUALIFYING PROPERTY BOUNDARY (VRP PROGRAM)
- LAND LOT IDENTIFICATION
- R/W RIGHT-OF-WAY
- S SEWER
- GAS GAS
- W WATER
- 13241 F004 CLAYTON COUNTY TAX PARCEL ID

NOTES:
1. MONITORING WELL NETWORK WAS SURVEYED ON JULY 24, 2013 BY TRAVIS PRUITT & ASSOCIATES, INC.
2. MW-2A/B/C MONITORING WELLS WERE ABANDONED IN 2013 IN PREPARATION FOR SOIL REMEDIATION.
3. GROUNDWATER ELEVATIONS MEASURED ON AUGUST 18, 2013.
4. CONTOUR LINES ARE DASHED WHERE INFERRED.

LAND LOTS 242
13TH DISTRICT
CLAYTON COUNTY
GEORGIA

Survey fieldwork performed on: March 2, 2007.
Travis Pruitt & Associates, Inc.
Updated July 24, 2013.

Grid North (GA West Zone)

0 60 120 240

GRAPHIC SCALE (FEET)

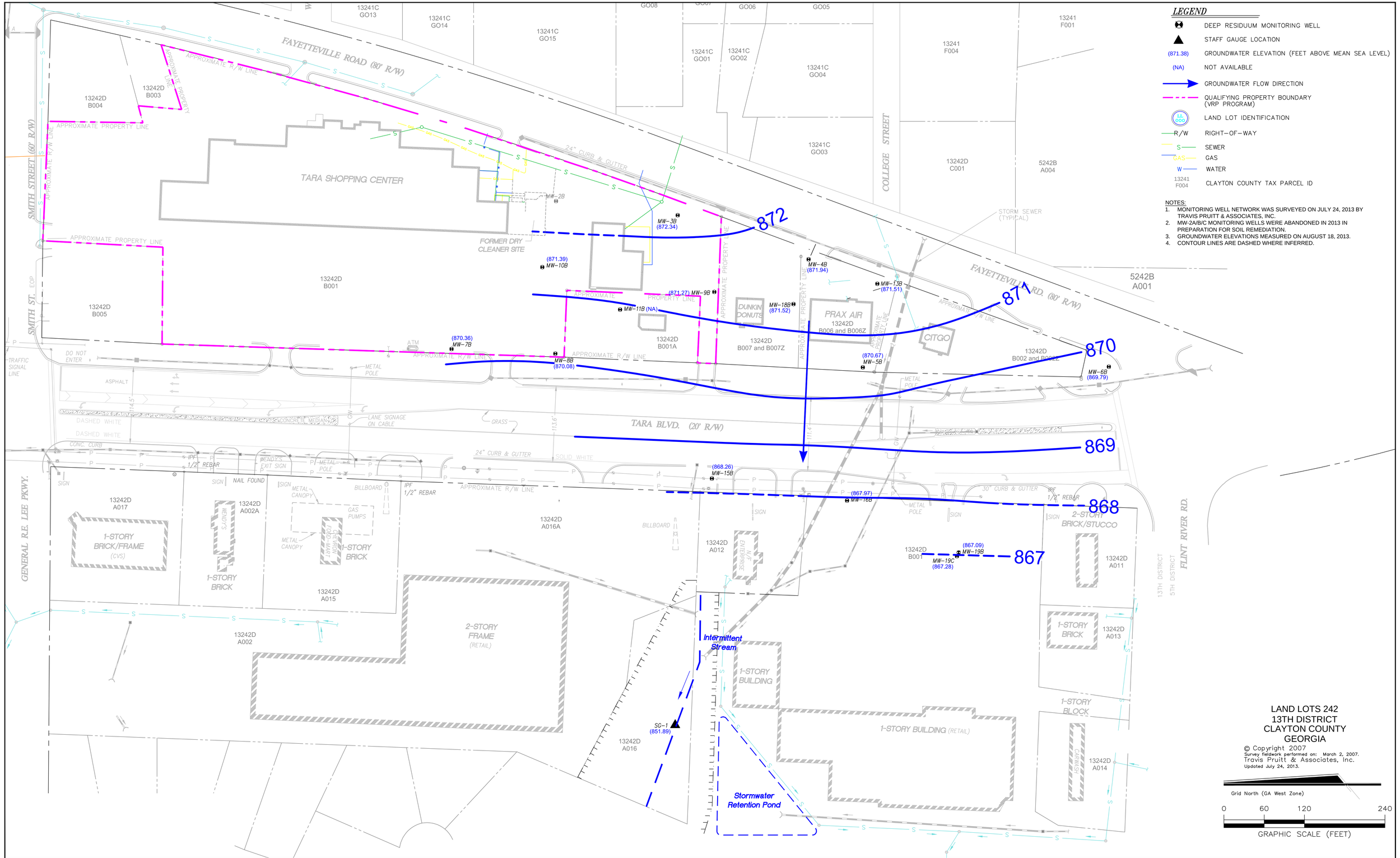
EHS Support consider it done

REVISIONS				
Rev.		By:	Disc.:	Date:
Rev.		By:	Disc.:	Date:
Rev.		By:	Disc.:	Date:
Rev.		By:	Disc.:	Date:

TARA HOLDINGS
8564 TARA BOULEVARD
JONESBORO, GEORGIA

FIGURE 3
UPPER RESIDUUM POTENTIOMETRIC SURFACE CONTOUR: AUGUST 18, 2013

Drawn By:	MDO	Date Drawn:	03/2014
Reviewed By:	MSS	Date Reviewed:	03/2014
Scale:	1" = 120'	Plot Date:	03/2014
Project Number.:	C00342-2014		



LEGEND

- DEEP RESIDUUM MONITORING WELL
- STAFF GAUGE LOCATION
- (871.38) GROUNDWATER ELEVATION (FEET ABOVE MEAN SEA LEVEL)
- (NA) NOT AVAILABLE
- GROUNDWATER FLOW DIRECTION
- QUALIFYING PROPERTY BOUNDARY (VRP PROGRAM)
- LAND LOT IDENTIFICATION
- R/W RIGHT-OF-WAY
- S SEWER
- GAS GAS
- W WATER
- 13241 F004 CLAYTON COUNTY TAX PARCEL ID

NOTES:
1. MONITORING WELL NETWORK WAS SURVEYED ON JULY 24, 2013 BY TRAVIS PRUITT & ASSOCIATES, INC.
2. MW-2A/B/C MONITORING WELLS WERE ABANDONED IN 2013 IN PREPARATION FOR SOIL REMEDIATION.
3. GROUNDWATER ELEVATIONS MEASURED ON AUGUST 18, 2013.
4. CONTOUR LINES ARE DASHED WHERE INFERRED.

LAND LOTS 242
13TH DISTRICT
CLAYTON COUNTY
GEORGIA

Survey fieldwork performed on: March 2, 2007.
Travis Pruitt & Associates, Inc.
Updated July 24, 2013.

Grid North (GA West Zone)

0 60 120 240

GRAPHIC SCALE (FEET)

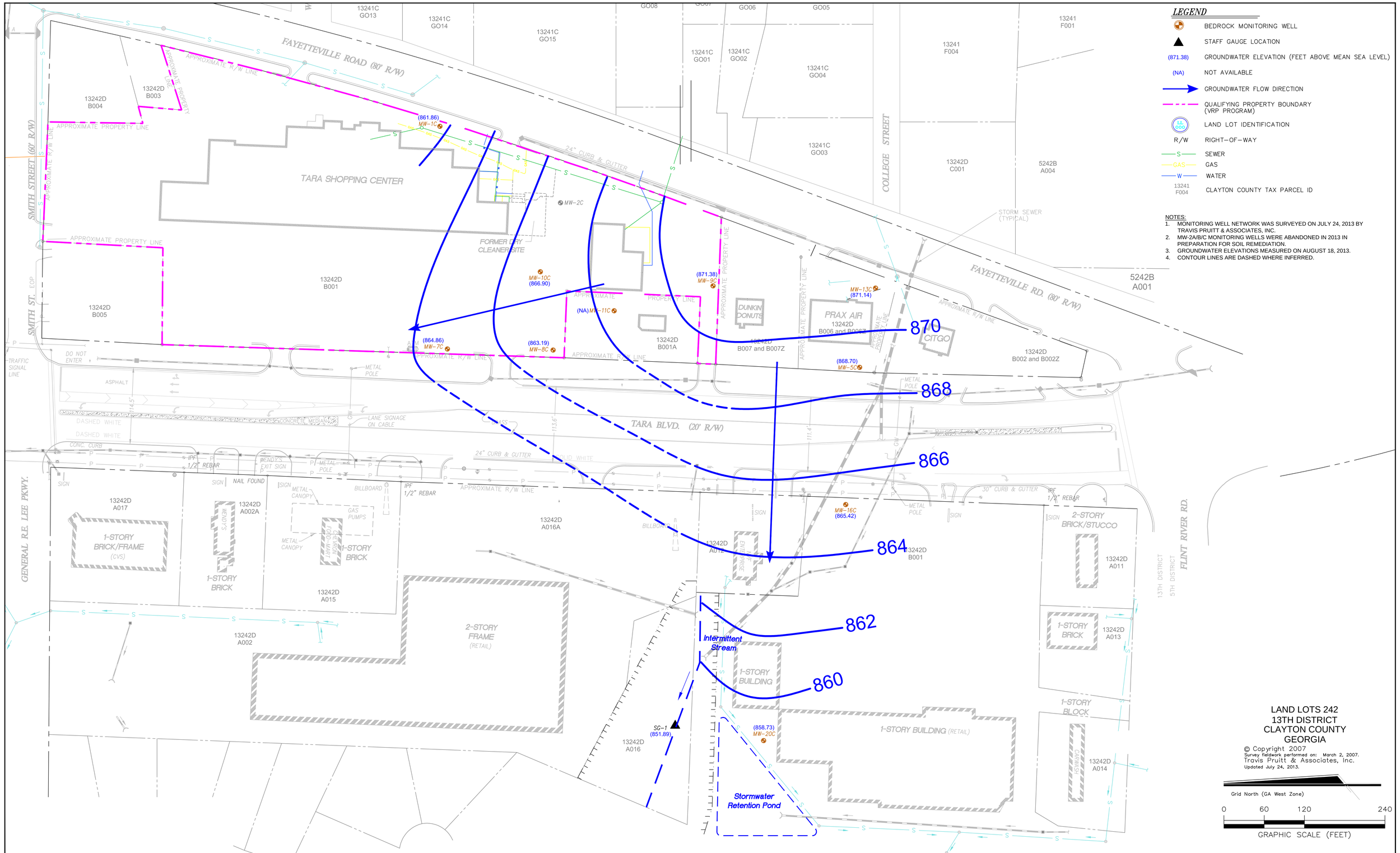
EHS Support consider it done

REVISIONS				
Rev.		By:	Disc.:	Date:
Rev.		By:	Disc.:	Date:
Rev.		By:	Disc.:	Date:
Rev.		By:	Disc.:	Date:

TARA HOLDINGS
8564 TARA BOULEVARD
JONESBORO, GEORGIA

FIGURE 4
LOWER RESIDUUM POTENTIOMETRIC SURFACE CONTOUR: AUGUST 18, 2013

Drawn By:	MDO	Date Drawn:	03/2014
Reviewed By:	MSS	Date Reviewed:	03/2014
Scale:	1" = 120'	Plot Date:	03/2014
Project Number.:	C00342-2014		



LEGEND

- BEDROCK MONITORING WELL
- STAFF GAUGE LOCATION
- (871.38) GROUNDWATER ELEVATION (FEET ABOVE MEAN SEA LEVEL)
- (NA) NOT AVAILABLE
- GROUNDWATER FLOW DIRECTION
- QUALIFYING PROPERTY BOUNDARY (VRP PROGRAM)
- LAND LOT IDENTIFICATION
- R/W RIGHT-OF-WAY
- S SEWER
- GAS GAS
- W WATER
- 13241 F004 CLAYTON COUNTY TAX PARCEL ID

NOTES:
1. MONITORING WELL NETWORK WAS SURVEYED ON JULY 24, 2013 BY TRAVIS PRUITT & ASSOCIATES, INC.
2. MW-2A/B/C MONITORING WELLS WERE ABANDONED IN 2013 IN PREPARATION FOR SOIL REMEDIATION.
3. GROUNDWATER ELEVATIONS MEASURED ON AUGUST 18, 2013.
4. CONTOUR LINES ARE DASHED WHERE INFERRED.

LAND LOTS 242
13TH DISTRICT
CLAYTON COUNTY
GEORGIA

Survey fieldwork performed on: March 2, 2007.
Travis Pruitt & Associates, Inc.
Updated July 24, 2013.

Grid North (GA West Zone)

0 60 120 240

GRAPHIC SCALE (FEET)

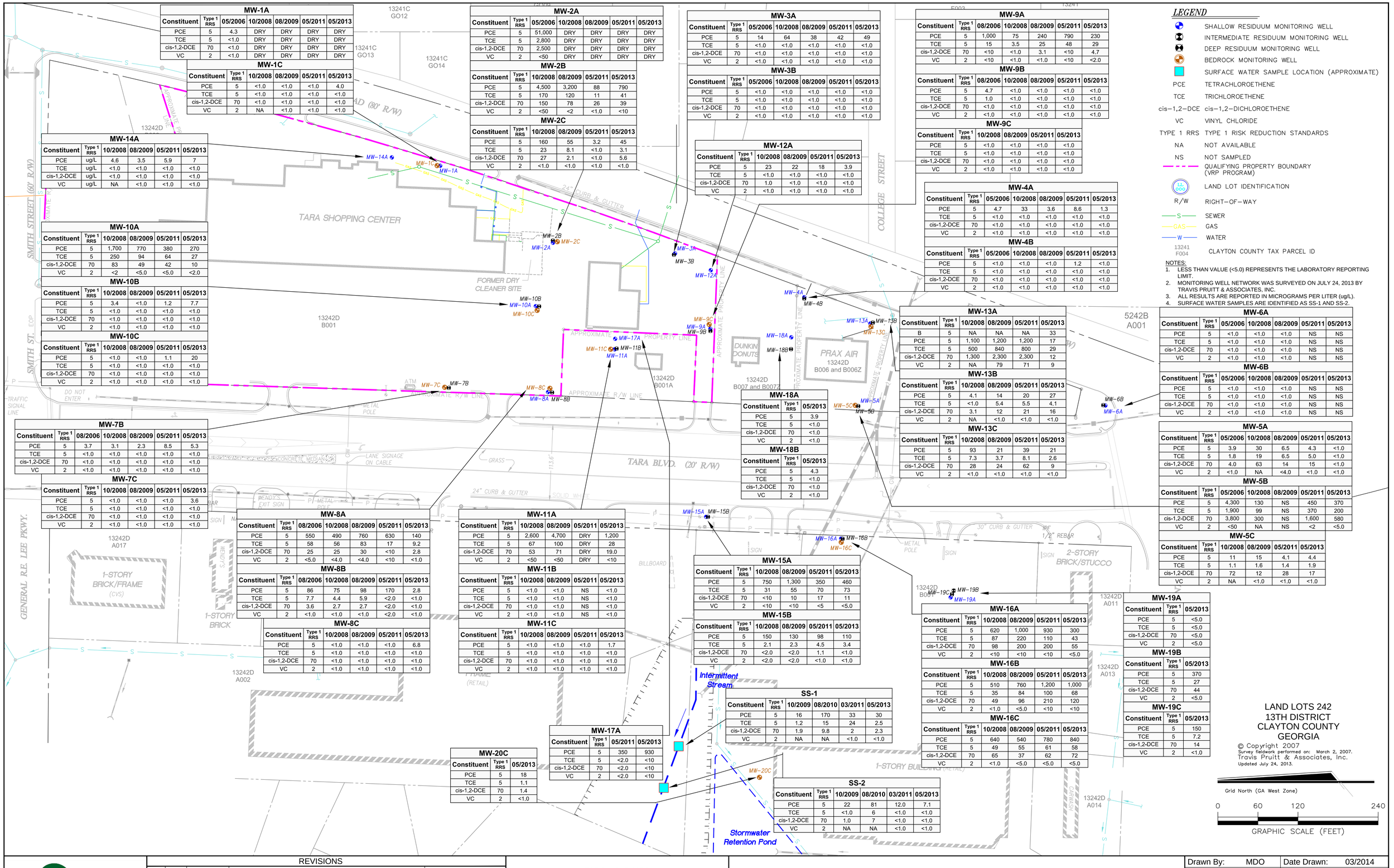
EHS Support consider it done

REVISIONS				
Rev.		By:	Disc.:	Date:
Rev.		By:	Disc.:	Date:
Rev.		By:	Disc.:	Date:
Rev.		By:	Disc.:	Date:

TARA HOLDINGS
8564 TARA BOULEVARD
JONESBORO, GEORGIA

FIGURE 5
BEDROCK POTENTIOMETRIC SURFACE CONTOUR: AUGUST 18, 2013

Drawn By:	MDO	Date Drawn:	03/2014
Reviewed By:	MSS	Date Reviewed:	03/2014
Scale:	1" = 120'	Plot Date:	03/2014
Project Number.:	C00342-2014		



MW-1A

Constituent	Type 1 RRS	05/2006	10/2008	08/2009	05/2011	05/2013
PCE	5	4.3	DRY	DRY	DRY	DRY
TCE	5	<1.0	DRY	DRY	DRY	DRY
cis-1,2-DCE	70	<1.0	DRY	DRY	DRY	DRY
VC	2	<1.0	DRY	DRY	DRY	DRY

MW-1C

Constituent	Type 1 RRS	10/2008	08/2009	05/2011	05/2013
PCE	5	<1.0	<1.0	<1.0	4.0
TCE	5	<1.0	<1.0	<1.0	<1.0
cis-1,2-DCE	70	<1.0	<1.0	<1.0	<1.0
VC	2	NA	<1.0	<1.0	<1.0

MW-2A

Constituent	Type 1 RRS	05/2006	10/2008	08/2009	05/2011	05/2013
PCE	5	51,000	DRY	DRY	DRY	DRY
TCE	5	2,800	DRY	DRY	DRY	DRY
cis-1,2-DCE	70	2,500	DRY	DRY	DRY	DRY
VC	2	<50	DRY	DRY	DRY	DRY

MW-2B

Constituent	Type 1 RRS	10/2008	08/2009	05/2011	05/2013
PCE	5	4,500	3,200	88	790
TCE	5	170	120	11	41
cis-1,2-DCE	70	150	78	26	39
VC	2	<50	<2	<1.0	<10

MW-2C

Constituent	Type 1 RRS	10/2008	08/2009	05/2011	05/2013
PCE	5	160	55	3.2	45
TCE	5	23	8.1	<1.0	3.1
cis-1,2-DCE	70	27	2.1	<1.0	5.6
VC	2	<1.0	<1.0	<1.0	<1.0

MW-3A

Constituent	Type 1 RRS	05/2006	10/2008	08/2009	05/2011	05/2013
PCE	5	14	64	38	42	49
TCE	5	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,2-DCE	70	<1.0	<1.0	<1.0	<1.0	<1.0
VC	2	<1.0	<1.0	<1.0	<1.0	<1.0

MW-3B

Constituent	Type 1 RRS	05/2006	10/2008	08/2009	05/2011	05/2013
PCE	5	<1.0	<1.0	<1.0	<1.0	<1.0
TCE	5	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,2-DCE	70	<1.0	<1.0	<1.0	<1.0	<1.0
VC	2	<1.0	<1.0	<1.0	<1.0	<1.0

MW-12A

Constituent	Type 1 RRS	10/2008	08/2009	05/2011	05/2013
PCE	5	23	22	18	3.9
TCE	5	<1.0	<1.0	<1.0	<1.0
cis-1,2-DCE	70	1.0	<1.0	<1.0	<1.0
VC	2	<1.0	<1.0	<1.0	<1.0

MW-9A

Constituent	Type 1 RRS	08/2006	10/2008	08/2009	05/2011	05/2013
PCE	5	1,000	75	240	790	230
TCE	5	15	3.5	25	48	29
cis-1,2-DCE	70	<10	<1.0	3.1	<10	4.7
VC	2	<10	<1.0	<1.0	<10	<2.0

MW-9B

Constituent	Type 1 RRS	08/2006	10/2008	08/2009	05/2011	05/2013
PCE	5	4.7	<1.0	<1.0	<1.0	<1.0
TCE	5	1.0	<1.0	<1.0	<1.0	<1.0
cis-1,2-DCE	70	<1.0	<1.0	<1.0	<1.0	<1.0
VC	2	<1.0	<1.0	<1.0	<1.0	<1.0

MW-9C

Constituent	Type 1 RRS	10/2008	08/2009	05/2011	05/2013
PCE	5	<1.0	<1.0	<1.0	<1.0
TCE	5	<1.0	<1.0	<1.0	<1.0
cis-1,2-DCE	70	<1.0	<1.0	<1.0	<1.0
VC	2	<1.0	<1.0	<1.0	<1.0

MW-4A

Constituent	Type 1 RRS	05/2006	10/2008	08/2009	05/2011	05/2013
PCE	5	4.7	33	3.6	8.6	1.3
TCE	5	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,2-DCE	70	<1.0	<1.0	<1.0	<1.0	<1.0
VC	2	<1.0	<1.0	<1.0	<1.0	<1.0

MW-4B

Constituent	Type 1 RRS	05/2006	10/2008	08/2009	05/2011	05/2013
PCE	5	<1.0	<1.0	<1.0	1.2	<1.0
TCE	5	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,2-DCE	70	<1.0	<1.0	<1.0	<1.0	<1.0
VC	2	<1.0	<1.0	<1.0	<1.0	<1.0

MW-14A

Constituent	Type 1 RRS	10/2008	08/2009	05/2011	05/2013
PCE	ug/L	4.6	3.5	5.9	7
TCE	ug/L	<1.0	<1.0	<1.0	<1.0
cis-1,2-DCE	ug/L	<1.0	<1.0	<1.0	<1.0
VC	ug/L	NA	<1.0	<1.0	<1.0

MW-10A

Constituent	Type 1 RRS	10/2008	08/2009	05/2011	05/2013
PCE	5	1,700	770	380	270
TCE	5	250	94	64	27
cis-1,2-DCE	70	83	49	42	10
VC	2	<2	<5.0	<5.0	<2.0

MW-10B

Constituent	Type 1 RRS	10/2008	08/2009	05/2011	05/2013
PCE	5	3.4	<1.0	1.2	7.7
TCE	5	<1.0	<1.0	<1.0	<1.0
cis-1,2-DCE	70	<1.0	<1.0	<1.0	<1.0
VC	2	<1.0	<1.0	<1.0	<1.0

MW-10C

Constituent	Type 1 RRS	10/2008	08/2009	05/2011	05/2013
PCE	5	<1.0	<1.0	1.1	20
TCE	5	<1.0	<1.0	<1.0	<1.0
cis-1,2-DCE	70	<1.0	<1.0	<1.0	<1.0
VC	2	<1.0	<1.0	<1.0	<1.0

MW-13A

Constituent	Type 1 RRS	10/2008	08/2009	05/2011	05/2013
B	5	NA	NA	NA	33
PCE	5	1,100	1,200	1,200	17
TCE	5	500	840	800	29
cis-1,2-DCE	70	1,300	2,300	2,300	12
VC	2	NA	79	71	9

MW-13B

Constituent	Type 1 RRS	10/2008	08/2009	05/2011	05/2013
PCE	5	4.1	14	20	27
TCE	5	<1.0	5.4	5.5	4.1
cis-1,2-DCE	70	3.1	12	21	16
VC	2	NA	<1.0	<1.0	<1.0

MW-13C

Constituent	Type 1 RRS	10/2008	08/2009	05/2011	05/2013
PCE	5	93	21	39	21
TCE	5	7.3	3.7	8.1	2.6
cis-1,2-DCE	70	28	24	62	9
VC	2	<1.0	<1.0	<1.0	<1.0

MW-18A

Constituent	Type 1 RRS	05/2013
PCE	5	3.9
TCE	5	<1.0
cis-1,2-DCE	70	<1.0
VC	2	<1.0

MW-18B

Constituent	Type 1 RRS	05/2013
PCE	5	4.3
TCE	5	<1.0
cis-1,2-DCE	70	<1.0
VC	2	<1.0

MW-6A

Constituent	Type 1 RRS	05/2006	10/2008	08/2009	05/2011	05/2013
PCE	5	<1.0	<1.0	<1.0	NS	NS
TCE	5	<1.0	<1.0	<1.0	NS	NS
cis-1,2-DCE	70	<1.0	<1.0	<1.0	NS	NS
VC	2	<1.0	<1.0	<1.0	NS	NS

MW-6B

Constituent	Type 1 RRS	05/2006	10/2008	08/2009	05/2011	05/2013
PCE	5	<1.0	<1.0	<1.0	NS	NS
TCE	5	<1.0	<1.0	<1.0	NS	NS
cis-1,2-DCE	70	<1.0	<1.0	<1.0	NS	NS
VC	2	<1.0	<1.0	<1.0	NS	NS

MW-5A

Constituent	Type 1 RRS	05/2006	10/2008	08/2009	05/2011	05/2013
PCE	5	3.9	30	6.5	4.3	<1.0
TCE	5	1.8	19	6.5	5.0	<1.0
cis-1,2-DCE	70	4.0	63	14	15	<1.0
VC	2	<1.0	NA	<4.0	<1.0	<1.0

MW-5B

Constituent	Type 1 RRS	05/2006	10/2008	08/2009	05/2011	05/2013
PCE	5	4,300	130	NS	450	370
TCE	5	1,900	99	NS	370	200
cis-1,2-DCE	70	3,800	300	NS	1,600	580
VC	2	<50	NA	NS	<2	<5.0

MW-5C

Constituent	Type 1 RRS	10/2008	08/2009	05/2011	05/2013
PCE	5	11	15	4.1	4.4
TCE	5	1.1	1.6	1.4	1.9
cis-1,2-DCE	70	72	12	28	17
VC	2	NA	<1.0	<1.0	<1.0

MW-7B

Constituent	Type 1 RRS	08/2006	10/2008	08/2009	05/2011	05/2013
PCE	5	3.7	3.1	2.3	8.5	5.3
TCE	5	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,2-DCE	70	<1.0	<1.0	<1.0	<1.0	<1.0
VC	2	<1.0	<1.0	<1.0	<1.0	<1.0

MW-7C

Constituent	Type 1 RRS	10/2008	08/2009	05/2011	05/2013
PCE	5	<1.0	<1.0	<1.0	3.6
TCE	5	<1.0	<1.0	<1.0	<1.0
cis-1,2-DCE	70	<1.0	<1.0	<1.0	<1.0
VC	2	<1.0	<1.0	<1.0	<1.0

MW-8A

Constituent	Type 1 RRS	08/2006	10/2008	08/2009	05/2011	05/2013
PCE	5	550	490	760	630	140
TCE	5	58	56	83	17	9.2
cis-1,2-DCE	70	25	25	30	<10	2.8
VC	2	<5.0	<4.0	<4.0	<10	<1.0

MW-8B

Constituent	Type 1 RRS	08/2006	10/2008	08/2009	05/2011	05/2013
PCE	5	86	75	98	170	2.8
TCE	5	7.7	4.4	5.9	<2.0	<1.0
cis-1,2-DCE	70	3.6	2.7	2.7	<2.0	<1.0
VC	2	<1.0	<1.0	<1.0	<2.0	<1.0

MW-8C

Constituent	Type 1 RRS	10/2008	08/2009	05/2011	05/2013
PCE	5	<1.0	<1.0	<1.0	6.8
TCE	5	<1.0	<1.0	<1.0	<1.0
cis-1,2-DCE	70	<1.0	<1.0	<1.0	<1.0
VC	2	<1.0	<1.0	<1.0	<1.0

MW-11A

Constituent	Type 1 RRS	10/2008	08/2009	05/2011	05/2013
PCE	5	2,600	4,700	DRY	1,200
TCE	5	67	100	DRY	28
cis-1,2-DCE	70	53	71	DRY	19.0
VC	2	<50	<50	DRY	<10

MW-11B

Constituent	Type 1 RRS	10/2008	08/2009	05/2011	05/2013
PCE	5	<1.0	<1.0	NS	<1.0
TCE	5	<1.0	<1.0	NS	<1.0
cis-1,2-DCE	70	<1.0	<1.0	NS	<1.0
VC	2	<1.0	<1.0	NS	<1.0

MW-11C

Constituent	Type 1 RRS	10/2008	08/2009	05/2011	05/2013
PCE	5	<1.0	<1.0	<1.0	1.7
TCE	5	<1.0	<1.0	<1.0	<1.0
cis-1,2-DCE	70	<1.0	<1.0	<1.0	<1.0
VC	2	<1.0	<1.0	<1.0	<1.0

MW-15A

Constituent	Type 1 RRS	10/2008	08/2009	05/2011	05/2013
PCE	5	750	1,300	350	460
TCE	5	31	55	70	73
cis-1,2-DCE	70	<10	10	17	11
VC	2	<10	<10	<5	<5.0

MW-15B

Constituent	Type 1 RRS	10/2008	08/2009	05/2011	05/2013
PCE	5	150	130	98	110
TCE	5	2.1	2.3	4.5	3.4
cis-1,2-DCE	70	<2.0	<2.0	1.1	<1.0
VC	2	<2.0	<2.0	<1.0	<1.0

MW-16A

Constituent	Type 1 RRS	10/2008	08/2009	05/2011	05/2013
PCE	5	620	1,000	930	300
TCE	5	87	220	110	43
cis-1,2-DCE	70	98	200	200	55
VC	2	<10	<10	<10	<5.0

MW-16B

Constituent	Type 1 RRS	10/2008	08/2009	05/2011	05/2013
PCE	5	510	760	1,200	1,000
TCE	5	35	84	100	68
cis-1,2-DCE	70	49	96	210	120
VC	2	<1.0	<5.0	<10	<10

MW-16C

Constituent	Type 1 RRS	10/2008	08/2009	05/2011	05/2013
PCE	5	640	540	780	840
TCE	5	49	55	61	58
cis-1,2-DCE	70	65	37	62	72
VC	2	<1.0	<5.0	<5.0	<5.0

MW-19A

Constituent	Type 1 RRS	05/2013
PCE	5	<5.0
TCE	5	<5.0
cis-1,2-DCE	70	<5.0
VC	2	<5.0

MW-19B

Constituent	Type 1 RRS	05/2013
PCE	5	370
TCE	5	27
cis-1,2-DCE	70	44
VC	2	<5.0

MW-19C

Constituent	Type 1 RRS	05/2013
PCE	5	150
TCE	5	7.2
cis-1,2-DCE	70	14
VC	2	<1.0

MW-17A

Constituent	Type 1 RRS	05/2011	05/2013
PCE	5	350	930
TCE	5	<2.0	<10
cis-1,2-DCE	70	<2.0	<10
VC	2	<2.0	<10

MW-20C

Constituent	Type 1 RRS	05/2013
PCE	5	18
TCE	5	1.1
cis-1,2-DCE	70	1.4
VC	2	<1.0

SS-1

Constituent	Type 1 RRS	10/2009	08/2010	03/2011	05/2013
PCE	5	16	170	33	30
TCE	5	1.2	15	24	2.5
cis-1,2-DCE	70	1.9	9.8	2	2.3
VC	2	NA	NA	<1.0	<1.0

SS-2

Constituent	Type 1 RRS	10/2009	08/2010	03/2011	05/2013
PCE	5	22	81	12.0	7.1
TCE	5	<1.0	6	<1.0	<1.0
cis-1,2-DCE	70	1.0	7	<1.0	<1.0
VC	2	NA	NA	<1.0	<1.0

LEGEND

- SHALLOW RESIDUUM MONITORING WELL
- INTERMEDIATE RESIDUUM MONITORING WELL
- DEEP RESIDUUM MONITORING WELL
- BEDROCK MONITORING WELL
- SURFACE WATER SAMPLE LOCATION (APPROXIMATE)
- PCE TETRACHLOROETHENE
- TCE TRICHLOROETHENE
- cis-1,2-DCE cis-1,2-DICHLOROETHENE
- VC VINYL CHLORIDE
- TYPE 1 RRS TYPE 1 RISK REDUCTION STANDARDS
- NA NOT AVAILABLE
- NS NOT SAMPLED
- QUALIFYING PROPERTY BOUNDARY (VRP PROGRAM)
- LAND LOT IDENTIFICATION
- R/W RIGHT-OF-WAY
- S SEWER
- GAS GAS
- W WATER
- 13241 F004 CLAYTON COUNTY TAX PARCEL ID

NOTES:
1. LESS THAN VALUE (<5.0) REPRESENTS THE LABORATORY REPORTING LIMIT.
2. MONITORING WELL NETWORK WAS SURVEYED ON JULY 24, 2013 BY TRAVIS PRUITT & ASSOCIATES, INC.
3. ALL RESULTS ARE REPORTED IN MICROGRAMS PER LITER (ug/L).
4. SURFACE WATER SAMPLES ARE IDENTIFIED AS SS-1 AND SS-2.

LAND LOTS 242
13TH DISTRICT
CLAYTON COUNTY
GEORGIA

Survey fieldwork performed on: March 2, 2007.
Travis Pruitt & Associates, Inc.
Updated July 24, 2013.

Grid North (GA West Zone)

0 60 120 240

GRAPHIC SCALE (FEET)

EHS Support consider it done

REVISIONS				
Rev.		By:	Disc.:	Date:
Rev.		By:	Disc.:	Date:
Rev.		By:	Disc.:	Date:
Rev.		By:	Disc.:	Date:

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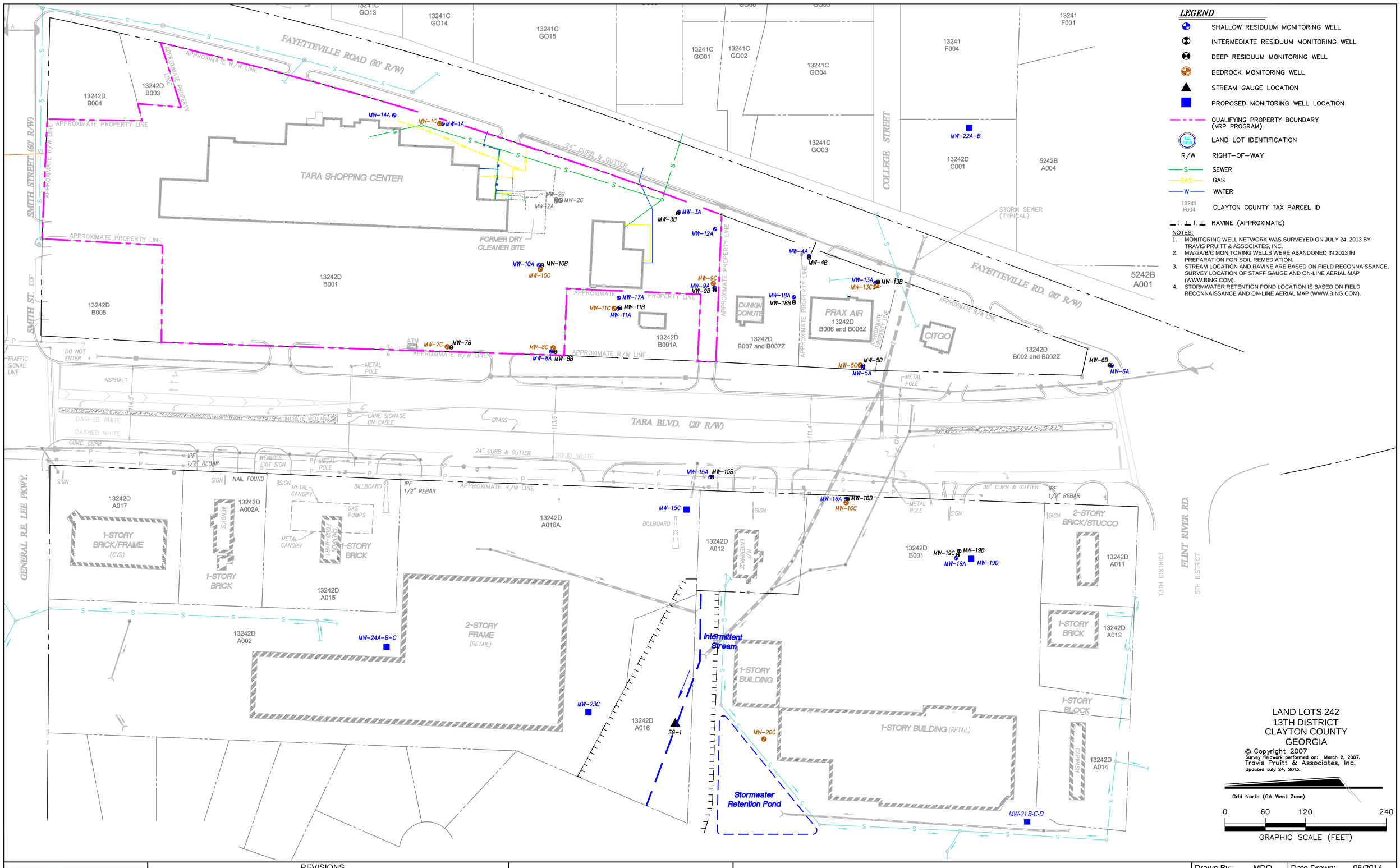
JONESBORO, GEORGIA

FIGURE 6
HISTORICAL GROUNDWATER ANALYTICAL RESULTS (2006 - 2013)

Drawn By:	MDO	Date Drawn:	03/2014
Reviewed By:	MSS	Date Reviewed:	03/2014
Scale:	1" = 120'	Plot Date:	03/2014
Project Number.:	C00342-2014		



LEGEND

- SHALLOW RESIDUUM MONITORING WELL
- INTERMEDIATE RESIDUUM MONITORING WELL
- DEEP RESIDUUM MONITORING WELL
- BEDROCK MONITORING WELL
- STREAM GAUGE LOCATION
- PROPOSED MONITORING WELL LOCATION
- QUALIFYING PROPERTY BOUNDARY (VRP PROGRAM)
- 13 / 242 — LAND LOT IDENTIFICATION
- R/W — RIGHT-OF-WAY
- S — SEWER
- GAS — GAS
- W — WATER
- 13241 F004 — CLAYTON COUNTY TAX PARCEL ID
- RAVINE (APPROXIMATE)

NOTES:

1. MONITORING WELL NETWORK WAS SURVEYED ON JULY 24, 2013 BY TRAVIS PRUITT & ASSOCIATES, INC.
2. MW-2A/B/C MONITORING WELLS WERE ABANDONED IN 2013 IN PREPARATION FOR SOIL REMEDIATION.
3. STREAM LOCATION AND RAVINE ARE BASED ON FIELD RECONNAISSANCE, SURVEY LOCATION OF STAFF GAUGE AND ON-LINE AERIAL MAP (WWW.BING.COM).
4. STORMWATER RETENTION POND LOCATION IS BASED ON FIELD RECONNAISSANCE AND ON-LINE AERIAL MAP (WWW.BING.COM).

LAND LOTS 242
13TH DISTRICT
CLAYTON COUNTY
GEORGIA

Survey fieldwork performed on: March 2, 2007.
Travis Pruitt & Associates, Inc.
Updated July 24, 2013.

Grid North (GA West Zone)

0 60 120 240

GRAPHIC SCALE (FEET)

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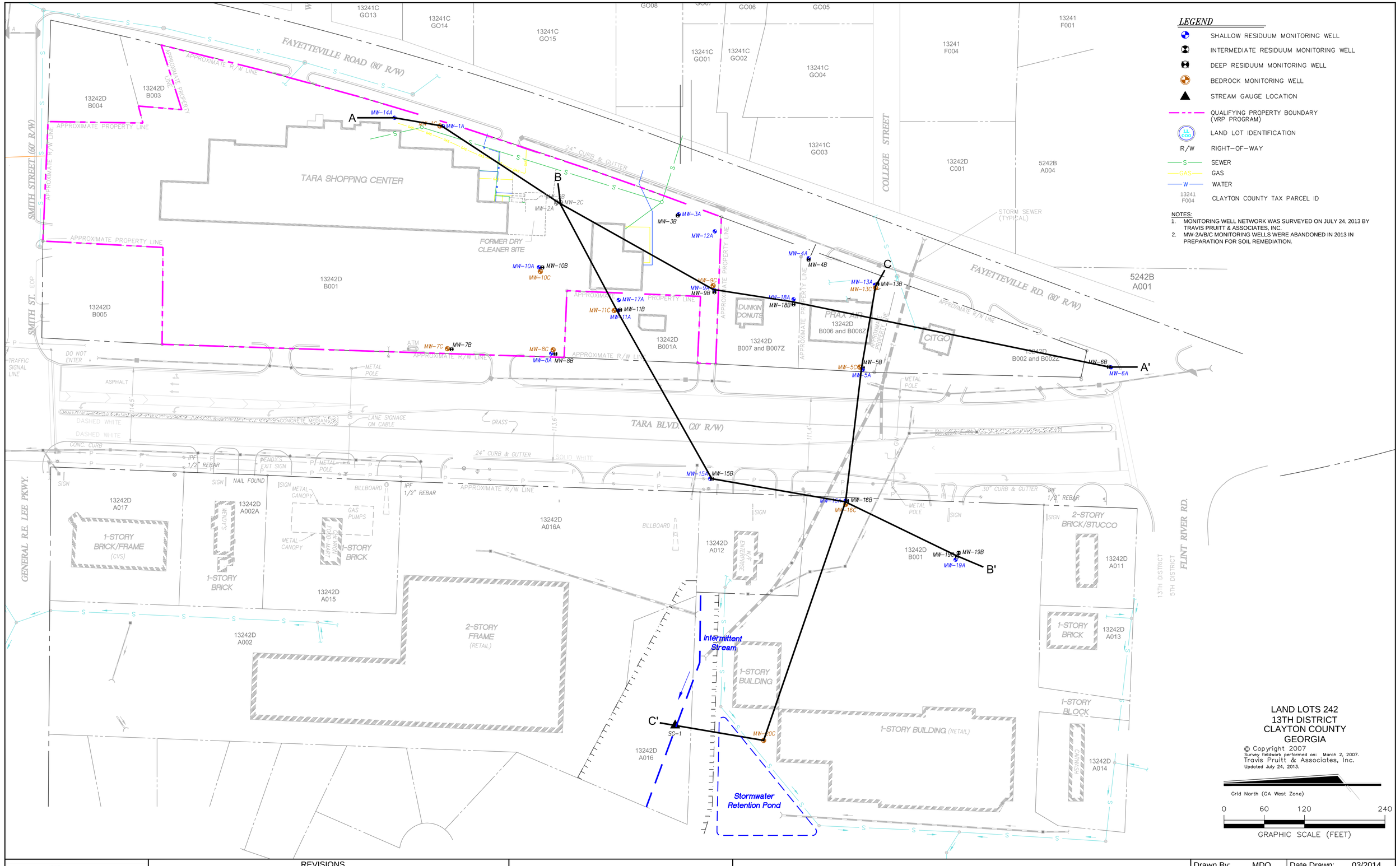
JONESBORO, GEORGIA

FIGURE 7
PROPOSED MONITORING WELL LOCATION

Drawn By:	MDO	Date Drawn:	06/2014
Reviewed By:	MSS	Date Reviewed:	06/2014
Scale:	1" = 120'	Plot Date:	06/2014
Project Number.:	C00342-2014		



LEGEND

- SHALLOW RESIDUUM MONITORING WELL
- INTERMEDIATE RESIDUUM MONITORING WELL
- DEEP RESIDUUM MONITORING WELL
- BEDROCK MONITORING WELL
- STREAM GAUGE LOCATION
- QUALIFYING PROPERTY BOUNDARY (VRP PROGRAM)
- LAND LOT IDENTIFICATION
- R/W — RIGHT-OF-WAY
- S — SEWER
- GAS — GAS
- W — WATER
- 13241 F004 — CLAYTON COUNTY TAX PARCEL ID

NOTES:

1. MONITORING WELL NETWORK WAS SURVEYED ON JULY 24, 2013 BY TRAVIS PRUITT & ASSOCIATES, INC.
2. MW-2A/B/C MONITORING WELLS WERE ABANDONED IN 2013 IN PREPARATION FOR SOIL REMEDIATION.

LAND LOTS 242
13TH DISTRICT
CLAYTON COUNTY
GEORGIA

Survey fieldwork performed on: March 2, 2007.
Travis Pruitt & Associates, Inc.
Updated July 24, 2013.

Grid North (GA West Zone)

0 60 120 240

GRAPHIC SCALE (FEET)

EHS Support consider it done

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Rev.		By:	Disc.:	Date:

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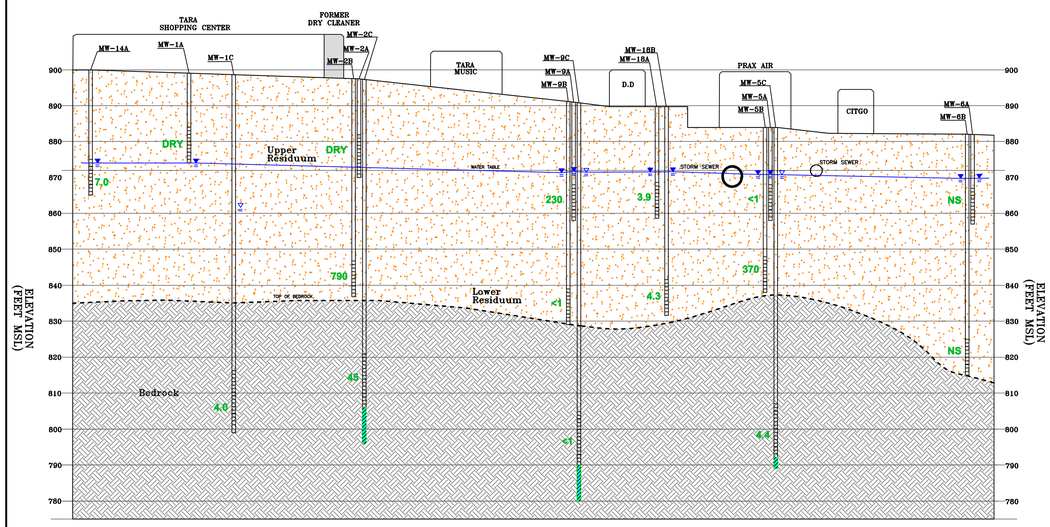
FIGURE 8
CROSS SECTION LOCATION MAP

Drawn By:	MDO	Date Drawn:	03/2014
Reviewed By:	MSS	Date Reviewed:	03/2014
Scale:	1" = 120'	Plot Date:	03/2014
Project Number.:	C00342-2014		

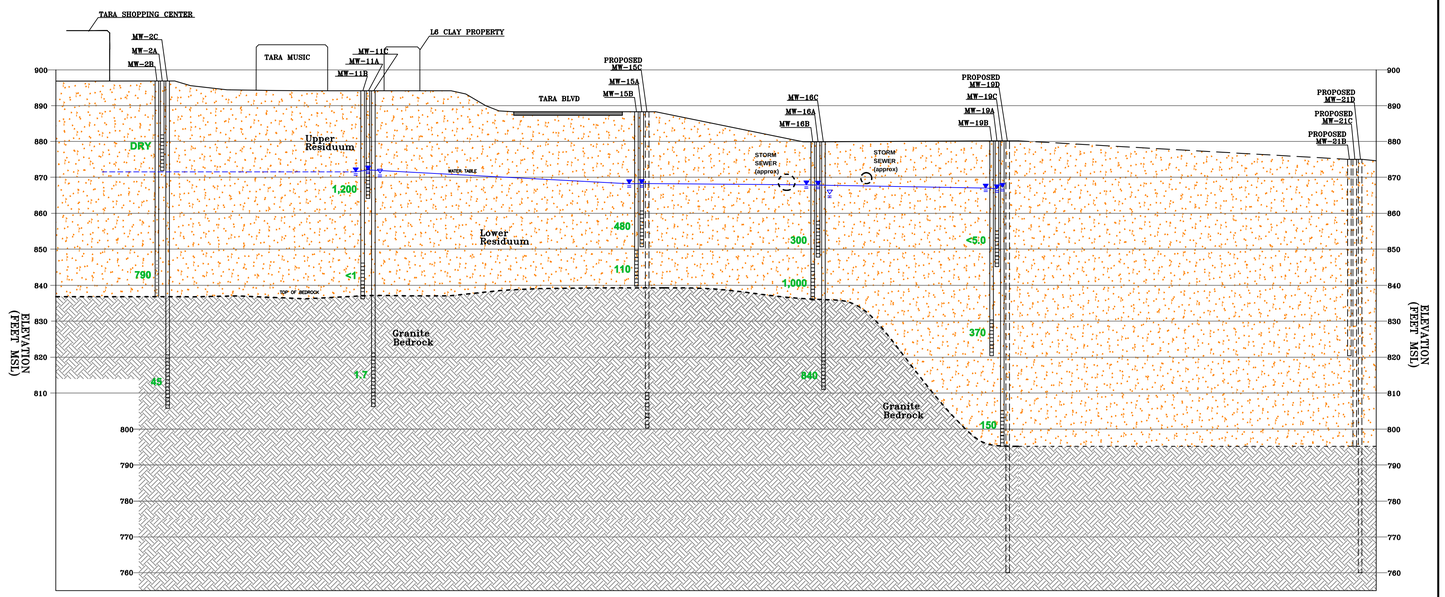
NORTHEAST
A

SOUTHWEST
A'



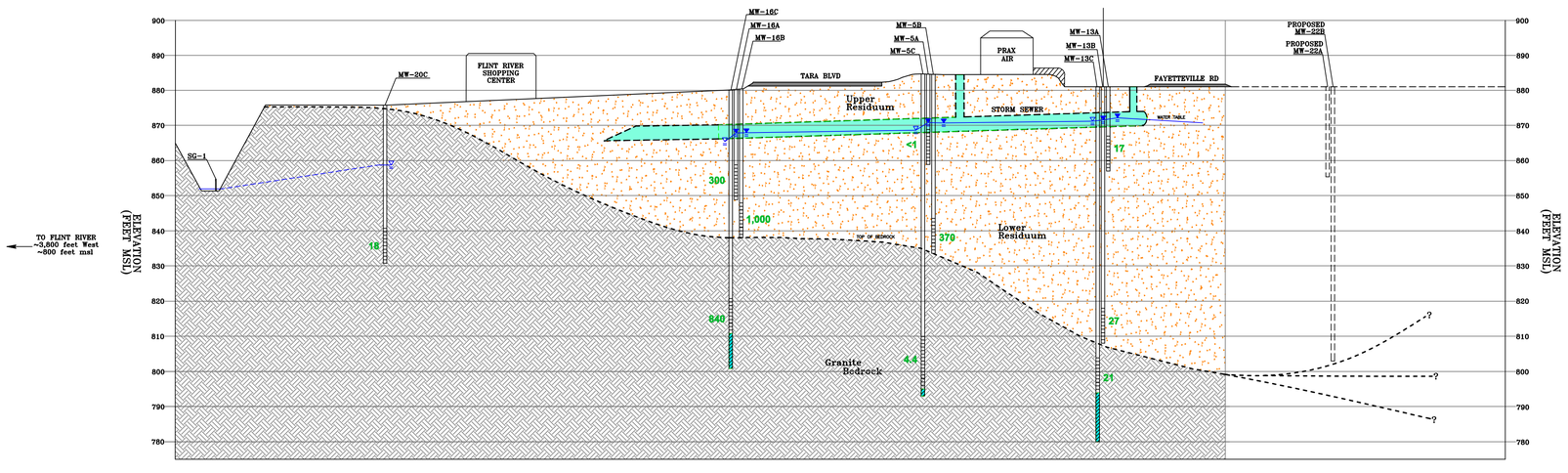
EAST
B

WEST
B'



WEST
C'

EAST
C



LEGEND

- UPPER RESIDUUM / LOWER RESIDUUM (Clayey Silt)
- BEDROCK
- = SCREEN INTERVAL
- = BENTONITE
- MW = MONITORING WELL
- = WATER TABLE (Elevation recorded on August 21, 2013)
- **300** = TETRACHLOROETHENE CONCENTRATION (May 2013)

Notes:

1. Staff Gauge installed into unnamed creek in July 2013. Piece of steel rebar set into ground and painted orange.
2. Original cross section prepared by URS Corporation. Location of sub-grade sewer line has not been verified and is based on historic drawing previously prepared by URS Corporation, Groundwater Corrective Action Plan, March 20, 2009 and Groundwater Corrective Action Plan Addendum, September 28, 2009.

References:

- **URS Corporation, Groundwater Corrective Action Plan, March 20, 2009.**
- **Groundwater Corrective Action Plan Addendum, September 28, 2009.**
- **Travis Pruitt Survey Report completed on July 31, 2013. Updated February 3, 2014.**

EHS Support consider it done

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Rev.		By:	Disc.:	Date:

ASHLAND INC.
TARA HOLDINGS
8564 TARA BOULEVARD
JONESBORO, GEORGIA

FIGURE 9
CROSS SECTIONS A-A', B-B' AND C-C'

Drawn By:	MDO	Date Drawn:	02/2014
Reviewed By:	MS	Date Reviewed:	02/2014
Scale:	AS SHOWN	Plot Date:	02/2014
Project Number.:	C00342-2014		

ATTACHMENT A
Professional Services

ATTACHMENT A
Tabulated Summary of Professional Engineer and Geologist Time (Period December 1, 2013 through May 31, 2014)
Tara Shopping Center, Jonesboro, GA
Voluntary Remediation Program (HSI 10798)

Professional Engineer	Date	Hours	Description
Kristin VanLandingham, PE	1/10/2014	1	Remediation Contractor Invoice Review
	1/15/2014	1	Remediation Contractor Invoice Review
	2/7/2014	1	Review WRS ISS Implementation Report
	2/14/2014	0.5	Review WRS ISS Implementation Report
	2/18/2014	2	Review WRS ISS Implementation Report
	3/13/2014	0.5	Review EHS Support Soil Remediation Completion Report
	3/14/2014	0.5	Review EHS Support Soil Remediation Completion Report
	4/7/2014	1	Remediation Contractor Invoice Review
	4/11/2014	1	Review draft environmental covenant
	4/14/2014	1.5	Review draft groundwater investigation scope of work
Professional Geologist	**Date**	**Hours**	**Description**
James Breza, PG	12/10/2014	1	Review groundwater quality data.
	2/3/2014	1	Review preliminary groundwater conceptual site model
	2/4/2014		Meeting with M. Stayrook to discuss site conceptual hydrogeologic model and proposed monitoring well locations.
	4/14/2014	2.5	Technical Review of groundwater investigation scope of work supporting documents (Figures)
	4/15/2014	2.5	Technical Review of groundwater investigation scope of work
	4/16/2014	2	Review groundwater scope of work and strategy discussion for well placement